

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A node of a communications network which dynamically establishes one or more access bearers to a stationary equipment unit which is connected to the node by an essentially fixed location physical link, ~~the stationary equipment unit comprising a user terminal through which a user can interface using an input device, the node being configured so that a media service offered by one or more external networks can be provided through the node to the stationary equipment.~~

2. (Currently Amended) A node of a communications network which dynamically establishes one or more access bearers to a stationary equipment unit which is connected to the node by an essentially fixed location physical link, differing ones of the multiple access bearers being configured for utilization by differing types of media services, ~~the stationary equipment unit comprising a user terminal through which a user/subscriber to the differing types of media services can interface using an input device, the node being configured so that a media service offered by one or more external networks can be provided through the node to the stationary equipment.~~

3. (Original) The apparatus of claim 2, wherein the one or more access bearers carry connections for plural services of its associated type of media service.

4. (Currently Amended) A node of a communications network which dynamically establishes plural access bearers to a stationary equipment unit which is connected to the node by an essentially fixed location physical link, the access bearers providing different types of services to the stationary equipment unit, the different types of services including one of voice services, video services, and data traffic services, ~~the stationary equipment unit comprising a user terminal through which a user/subscriber to the differing types of services can interface using an input device, the node being~~

configured so that a service offered by one or more external networks can be provided through the node to the stationary equipment.

5. (Currently Amended) A node of a communications network comprising:
a port by which the node is connectable by an essentially fixed location physical link to a stationary equipment unit, ~~the stationary equipment unit comprising a user terminal through which a user can interface using an input device;~~
a connection control unit which dynamically establishes one or more access bearers for providing services to the stationary equipment unit;
a bearer service processing unit which maps the access bearers into packets of a transport protocol of the essentially fixed location physical link;
the node being configured so that a service offered by one or more external networks can be provided through the node to the stationary equipment.

6. (Original) The apparatus of claims 1, 2, 4, or 5, wherein the node establishes multiple simultaneous access bearers.

7. (Currently Amended) The apparatus of claims ~~1, 2, 4, or 5~~ 6, wherein the multiple access bearers do not necessarily have a same bandwidth and a same quality of service capabilities.

8. (Currently Amended) The apparatus of claims ~~1, 2, 4, or 5~~ 6, wherein the multiple access bearers do not have a same bandwidth and a same quality of service capabilities.

9. (Currently Amended) The apparatus of claims ~~1, 2, 4, or 5~~ 6, wherein the multiple simultaneous access bearers include both circuit switched access bearers and packet switched access bearers.

10. (Original) The apparatus of claims 1, 2, or 5, wherein the node establishes access bearers for providing different types of services to the stationary equipment unit,

the different types of services including one of voice services, video services, and data traffic services.

11. (Original) The apparatus of claims 1, 2, 4, or 5, wherein the essentially fixed location physical link is one of the following: (1) a wire line link; (2) an optical link; (3) a radio link of a radio access network which does not involve mobility management.

12. (Original) The apparatus of claim 5, wherein the packets of the transport protocol are one of Internet Transport Protocol (IP) packets and Asynchronous Transfer Mode (ATM) packets.

13. (Currently Amended) The apparatus of claim 5, wherein the bearer service processing unit maps the multiple access bearers into packets of the transport protocol of the essentially fixed location physical link.

14. (Currently Amended) A method of operating a communications network comprising:

connecting a stationary equipment unit to an access interface node by an essentially fixed location physical link, the stationary equipment unit comprising a user terminal through which a user can interface using an input device;

dynamically establishing one or more access bearers for providing services a service offered by an external network through the node and on the one or more access bearers to the stationary equipment unit on the essentially fixed location physical link;

mapping the access bearers into packets of a transport protocol of the essentially fixed location physical link.

15. (Currently Amended) A method of operating a communications network comprising:

connecting a stationary equipment unit to an access interface node by an essentially fixed location physical link, ~~the stationary equipment unit comprising a user terminal through which a user/subscriber to differing types of services can interface using an input device;~~

dynamically establishing one or more access bearers for providing differing types of services offered by one or more external networks through the node and on the one or more access bearers to the stationary equipment unit on the essentially fixed location physical link, differing ones of the multiple access bearers being configured for utilization by the differing types of media services;

mapping the access bearers into packets of a transport protocol of the essentially fixed location physical link.

16. (Original) The method of claim 15, further comprising carrying, on at least one of the multiple access bearers, connections for plural services of its associated type of media service.

17. (Currently Amended) A method of operating a communications network comprising:

connecting a stationary equipment unit to an access interface node by an essentially fixed location physical link, ~~the stationary equipment unit comprising a user terminal through which a user/subscriber to differing types of services can interface using an input device;~~

dynamically establishing plural access bearers for providing differing types of the services offered by one or more external networks through the node and on the one or more access bearers to the stationary equipment unit on the essentially fixed location physical link, the access bearers providing the different types of services to the stationary equipment unit, the different types of services including one of voice services, video services, and data traffic services

mapping the plural access bearers into packets of a transport protocol of the essentially fixed location physical link.

18. (Original) The method of claims 14, 15, or 17, further comprising establishing multiple simultaneous access bearers to the stationary equipment unit.

19. (Currently Amended) The method of claim ~~14, 15, or 17~~18, further comprising configuring the multiple simultaneous access bearers to have different bandwidths and different quality of service capabilities.

20. (Currently Amended) The method of claim ~~14, 15, or 17~~18, wherein the multiple simultaneous access bearers include both circuit switched access bearers and packet switched access bearers.

21. (Original) The method of claim 14 or 15, further comprising establishing access bearers for providing different types of services to the stationary equipment unit, the different types of services including one of a voice service, a video service, and a data traffic service.

22. (Original) The method of claim 14, 15, or 17, wherein the essentially fixed location physical link is one of the following: (1) a wire line link; (2) an optical link; (3) a radio link of a radio access network which does not involve mobility management.

23. (Original) The method of claim 14, 15, or 17, further comprising using as the packets of the transport protocol one of Internet Transport Protocol (IP) packets and Asynchronous Transfer Mode (ATM) packets.

24. (Currently Amended) A stationary equipment unit comprising:
means for forming a physical connection to a network by a non-radio fixed
position physical link;

means for executing plural media services offered by one or more external
networks through a node of the network;

a protocol stack which, for the plural media services, utilizes dynamically
established access bearers which are mapped into packets of a transport protocol of the
essentially fixed location physical link

an input device configured to provide an interface for a user to the plural media
services.

25. (Original) The apparatus of claim 24, wherein differing ones of ~~the~~ multiple
access bearers are configured for utilization by differing types of media services.

26. (Original) The apparatus of claim 25, wherein the different types of services
including one of voice services, video services, and data traffic services.

27. (Currently Amended) The apparatus of claim 24~~25~~, wherein the multiple
access bearers do not necessarily have a same bandwidth and a same quality of service
capabilities.

28. (Currently Amended) The apparatus of claim 24~~25~~, wherein ~~the~~ multiple
access bearers are simultaneous access bearers which include both circuit switched access
bearers and packet switched access bearers.

29. (Original) The apparatus of claim 24, wherein the essentially fixed location
physical link is one of the following: (1) a wire line link; (2) an optical link; (3) a radio
link of a radio access network which does not involve mobility management..

30. (Currently Amended) The apparatus of claim ~~2440~~, wherein the packets of the transport protocol are one of Internet Transport Protocol (IP) packets and Asynchronous Transfer Mode (ATM) packets.

31. (Original) The apparatus of claim 24, further comprising means for providing mobile termination across a radio interface.

32. (Original) The apparatus of claim 24, further comprising a USIM card.

33. (New) The apparatus of claim 1, wherein the stationary equipment unit comprises a user terminal through which a user can interface using an input device.

34. (New) The apparatus of claim 1, wherein the node is configured to set up a connection on the one or more access bearers carried by the fixed location physical link by using transport channel information in lieu of radio resource information in a message which is a modification of a radio access network protocol message.

35. (New) The apparatus of claim 34, wherein the radio access network protocol message is a message that would be sent over a radio interface in a radio access network.

36. (New) The apparatus of claim 24, further comprising a protocol stack which, for the plural media services, utilizes dynamically established access bearers which are mapped into packets of a transport protocol of the essentially fixed location physical link.